

Title (en)
COATED STEEL SHEET

Title (de)
BESCHICHTETES STAHLBLECH

Title (fr)
FEUILLE D'ACIER REVÊTUE

Publication
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Application
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Abstract (en)
[origin: EP2034050A1] It is an object of the present invention to provide a coated steel sheet, properties of which such as tape peeling resistance, solvent resistance, alkali resistance and abrasion resistance are improved. A coated steel sheet coated with a composite coat, wherein said composite coat comprises a compounded resin (A) in which polyurethane resin particles (A-1) and ethylene-unsaturated carboxylic acid copolymerization resin particles (A-2), respectively having an average particle diameter of 20 to 100 nm and a silanol group and/or an alkoxyethyl group, are contained in a mass ratio of 20: 80 to 90:10 and silicon oxide particles (A-3) having an average particle diameter of 5 to 20 nm and an organic titanium compound (A-4) are compounded, polyolefin wax particles (B) having an average particle diameter of 0.5 to 4 µm and a softening point of 100 to 140°C, and silicon oxide particles (C) having an average particle diameter of 70 to 200 nm, and wherein an amount of a coat of said composite coat is 0.5 to 3 g/cm².

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Citation (search report)
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